Sheet 1 of 6

FORM PTO-1449

JUL 1 2 2002

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 98B014E

APPLICATION NO. 10/085,809

NFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT James Austin Kendrick et al.

FILING DATE February 28, 2002 3629 (7

| | | U.S. PA | TENT DOCUMENTS | 700 | 7 2002 | ' 36 |
|---------------------|--------------------|----------|-------------------|-------|----------|-------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | | IC 7 | 700 | FILING DATE IF |
| | | DATE | NAME | CLASS | SUBCLASS | APPROPRIATE |
| (46) | 2,825,721 | 3/4/58 | Hogan et al. | 260 | 88.1 | 3/26/56 |
| | 2,915,513 | 12/1/59 | Leatherman et al. | 260 | 94.9 | 5/21/54 |
| | 3,152,872 | 10/13/64 | Scoggin et al. | 34 | 15 | 3/6/61 |
| | 3,172,737 | 3/9/65 | Whittington | 23 | 285 | 7/6/61 |
| | 3,242,150 | 3/22/66 | Scoggin | 260 | 88.2 | 3/31/60 |
| | 3,248,179 | 4/26/66 | Norwood | 23 | 285 | 2/26/62 |
| | 3,257,363 | 6/21/66 | Miller et al. | 260 | 88.2 | 5/22/61 |
| | 3,262,922 | 7/26/66 | Payne | 260 | 93.7 | 2/8/63 |
| | 3,293,000 | 12/20/66 | Marwil | 23 | 285 | 10/5/62 |
| | 3,318,857 | 5/9/67 | Dietz | 260 | 93.7 | 5/24/63 |
| | 3,324,093 | 6/6/67 | Alleman | 260 | 88.2 | 10/21/63 |
| | 3,418,305 | 12/24/68 | Payne et al. | 260 | 94.9 | 11/25/64 |
| | 3,551,403 | 12/29/70 | Delbouille et al. | 260 | 94.9 | 8/1/68 |
| | 3,625,658 | 12/7/71 | Closon | 23 | 285 | 5/12/69 |
| | 3,794,627 | 2/26/74 | Giachetto | 260 | 88.2 | 7/27/71 |
| | 3,816,383 | 6/11/74 | Stotko | 260 | 94.9 | 5/1/72 |
| | 3,858,943 | 1/7/75 | Bose et al. | 302 | 26 | 3/13/73 |
| KOV | 3,956,061 | 5/11/76 | Young et al. | 159 | 48 L | 2/19/74 |

EXAMINER

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 98B014E

APPLICANT

APPLICATION NO. 10/085,809

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

James Austin Kendrick et al.
FILING DATE
February (8, 100)

GROUPUL 1 5 2002

NOV 0 7 2002

| | | | · 7 | • | 2002 | 360 |
|-----|-----------|-------------|---------------------|--------|------|----------|
| pap | 3,956,257 | 5/11/76 | Hogan | G26/ 7 | '0h | 8/14/75 |
| | 4,007,321 | 2/8/77 | Scholz et al. | 526 | 64 | 2/20/75 |
| | 4,099,335 | 7/11/78 | Jezl et al. | 34 | 9 | 11/19/76 |
| | 4,121,029 | 10/17/78 | Irvin et al. | 526 | 64 | 12/6/76 |
| | 4,199,546 | 4/22/80 | Kirch | 422 | 132 | 3/16/78 |
| | 4,372,758 | 2/8/83 | Bobst et al. | 55 | 48 | 9/2/80 |
| | 4,383,972 | 5/17/83 | McCurdy et al. | 422 | 131 | 7/15/81 |
| | 4,395,523 | 7/26/83 | Kirch | 526 | 64 | 5/27/82 |
| | 4,424,341 | 1/3/84 | Hanson et al. | 528 | 501 | 9/21/81 |
| | 4,436,902 | 3/13/84 | Wood et al. | 528 | 501 | 2/12/82 |
| | 4,439,601 | 3/27/84 | McCurdy et al. | 528 | 481 | 7/15/81 |
| | 4,461,889 | 7/24/84 | Hanson | 528 | 498 | 9/17/80 |
| | 4,501,885 | 2/26/85 | Sherk et al. | 528 | 501 | 10/14/81 |
| | 4,589,957 | 5/20/86 | Sherk et al. | 203 | 75 | 8/25/83 |
| | 4,613,484 | 9/23/86 | Ayres et al. | 422 | 132 | 11/30/84 |
| | 4,632,976 | 12/30/86 | Asanuma et al. | 528 | 497 | 4/16/85 |
| | 4,690,804 | 9/1/87 | Rohlfing | 422 | 219 | 9/18/85 |
| | 4,713,444 | 12/15/87 | Matsuyama et al. | 528 | 502 | 5/30/86 |
| | 4,737,280 | 4/12/88 | Hanson | 210 | 181 | 5/7/84 |
| | 4,794,151 | 12/27/88 | Mueller-Mall et al. | 526 | 64 | 4/8/87 |
| and | 4,832,915 | 5/23/89 | Messura et al. | 422 | 62 | 12/17/84 |
| | | | | 1 | | I . |

. EXAMINER

Alex Doeshu

DATE CONSIDERED

3/16/05

Sheet 3 of 6

FORM PTO-1449

" U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 98B014E

APPLICATION NO. 10/085,809

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT James Austin Kendrick et al.

FILING DATE February 28, 2002 GRO 3629

JUL 1 5 2002 1744

| 19 0 5 | 5,183,866 | 2/2/93 | Hottovy | 526 | 88 | GROUP 3 |
|-------------------|-----------|----------|-------------------|--------------|--------------|-------------------------|
| | 5,207,929 | 5/4/93 | Sung et al. | 210 | 774 | 8/2/91 |
| | 5,276,115 | 1/4/94 | Bohmer et al. | 526 | 126 | 12/14/92 |
| | 5,292,863 | 3/8/94 | Wang | 528 | 483 | 11/2/92 |
| | 5,314,579 | 5/24/94 | Sung | 159 | 47.1 | 12/22/92 7 8/20/92 8 |
| | 5,326,835 | 7/5/94 | Ahvenainen et al. | 526 | 64 | 8/20/92 |
| | 5,387,659 | 2/7/95 | Hottovy et al. | 526 | 59 | 2/8/93 |
| | 5,391,656 | 2/21/95/ | Campbell et al. | 526 | 68 | 9/24/93 |
| | 5,416,179 | 5/16/95 | Welch et al. | 526 | 160 | 3/16/94 |
| | 5,436,212 | 7/25/95 | Geerts | 502 | 113 | 4/15/94 . |
| | 5,455,314 | 10/3/95 | Burns et al. | 526 | 61 | 7/27/94 |
| | 5,473,020 | 12/5/95 | Peifer et al. | 525 | 243 | 6/30/94 |
| | 5,480,948 | 1/2/96 | Geerts | 526 | 142 | 3/28/95 |
| | 5,492,985 | 2/20/96 | Peifer et al. | 526 | 127 | 5/31/95 |
| | 5,565,174 | 10/15/96 | Burns et al. | 422 | 131 | 6/6/95 |
| | 5,565,175 | 10/15/96 | Hottovy et al. | 422 | 132 | 10/1/90 |
| | 5,575,979 | 11/19/96 | Hanson | 422 | 132 | 3/4/91 |
| | 5,597,892 | 1/28/97 | Hanson | 528 | 501 | 6/6/95 |
| | 5,639,834 | 6/17/97 | Debras et al. | 526 | 64 | 10/26/94 |
| | 5,712,365 | 1/27/98 | Arai et al. | 528 | 498 | 3/20/96 |
| BBS | 5,747,407 | 5/5/98 | Martin | 502 | 26 | 8/29/96 |
| | | | <u> </u> | | | |

, EXAMINER

if not conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation

Sheet 4 of 6

JUL 1 2 ZUTZ CO

" U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTY. DOCKET NO. 98B014E

APPLICATION NO. 10/085,809

APPLICANT

James Austin Kendrick et al.

FILING DATE February 28, 2002 GROPECE/1764

| | | | | | | MADU: " |
|------------|-----------|----------|------------------|-----|-----|--|
| 600 | 5,986,021 | 11/16/99 | Hokkanen et al. | 526 | 64 | The state of the s |
| 7 | 6,204,344 | 03/20/01 | Kendrick et al. | 526 | 64 | 05/18/99 |
| | 6,042,790 | 3/28/00 | Hottovy et al. | 422 | 131 | 10/24/94 |
| | 6,045,661 | 4/4/00 | Kreischer et al. | 203 | 73 | 5/20/98 |
| | 6,239,235 | 5/29/01 | Hottovy et al. | 526 | 64 | 7/15/97 |
| | 6,281,300 | 08/28/01 | Kendrick | 526 | 88 | 05/18/98 |
| | 6,319,997 | 11/20/01 | Kendrick et al. | 526 | 64 | 10/05/00 |
| SW) | 6,380,325 | 04/30/02 | Kendrick | 526 | 64 | 09/05/00 |

TOO TOO

. EXAMINER

Stora Daesher

DATE CONSIDERED

3/Kelos

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 98B014E

APPLICATION NO. 10/085,809

OIPE JUL 12 ZUR S

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT

James Austin Kendrick et al.

FILING DATE February 28, 2002 GROUP ECEIVEL

GROUD 2002

FOREIGN PATENT DOCUMENTS

| EXAMINER | DOCUMENT | | | | | TRANSLA | TION |
|-----------------|------------------------|----------|----------------|-------|----------|---|---------|
| IŅITIAL | NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | YES | NO |
| bou | CA 857386 | 12/1/70 | Canada | | | | - |
| quo | EP 415427 | . 3/6/91 | EPO | | | Rr. | |
| BACO | ⁶ EP 416379 | 3/13/91 | EPO | | | RECEI NOV 0 7 200 | 10. |
| Owo | EP 432555 | 6/19/91 | EPO | | 7 | 07 200 | PE |
| 88) | EP 648697 | 4/19/95 | EPO | | | 77200 | |
| Buco | ₱EP 891990 | 1/20/99 | EPO | | | 100 | |
| 8 ₂₀ | ∮JP 72013367 | 1972 | Japan | | | X (English- language translation of abstract) | |
| Proc. | JP 62-13408 | 8/14/89 | Japan | | | X | |
| DVD. | JP 07-286004 | 10/31/95 | Japan | | | Х | |
| 0.eco | GB 841263 | 7/13/60 | United Kingdom | | | - | |
| K1005 | GB 1 435 965 | 5/19/76 | United Kingdom | | - | | |
| per | WO 01/05842 A1 | 1/25/01 | PCT | | <u> </u> | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| EX. | | |
|-----|--|--|
| | | |
| | | |
| | | |

the Doroshed

DATE CONSIDERED

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 98B014E

APPLICATION NO. 10/085,809

APPLICANT

James Austin Kendrick et al.

WFORMATION DISCLOSURE TATEMENT BY APPLICANT

FILING DATE February 28, 2002

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | the state of the s |
|------------------|--|
| EXAMINER INITIAL | Word To The Control of the Control o |
| ABO | Michael Arne, SRI International, HIGH DENSITY POLYETHYLENE, Supplement D, A private report the PROCESS ECONOMICS PROGRAM, May 1989. |
| <u></u> \$30 | K.B. Bryan et al., "Polypropylene: Supplement A." <u>SRI International Report</u> , Process Economics Program, Report No. 128A, August (1993). |
| BAD | Declaration of Scott T. Roger As Part Of Supplemental Information Disclosure Statement (proprietary material). |
| Crag_ | J.P. Hogan et al., "Phillips Petroleum Company Loop Reactor Polyethylene Technology," Journal of Applied Polymer Science: Applied Polymer Symposium, 36, 49-60 (1981). |
| 900 | R.H. Perry & C.H. Chilton (Eds.), <u>Chemical Engineers' Handbook</u> (5th ed.), McGraw-Hill, Inc., New York, New York, pp. 5-46 - 5-47 (1973). |
| Cara | Total Quality Report", Baton Rouge, Louisiana, Vol. 13, No. 1, Jan/Feb. p. 4 (1998). |
| AND | USSN: 09/080,412 entitled "Continuous Slurry Polymerization Volatile Removal", filed May 18, 1998, Inventor: James Austin Kendrick (988014/2) |
| Mas | NUSSN: 09/955,729 entitled "Continuous Slurry Polymerization Volatile Removal", filed September 19, 2001, Inventors: James Austin Kendrick et al. (98B014A/3) |
| AND- | USSN: 10/023,677 entitled "Continuous Slurry Polymerization Volatile Removal", filed February 14, 2002, Inventor: James Austin Kendrick (98B014/5) |
| DAD- | USSN: 10/147,219 entitled "Continuous Slurry Polymerization Volatile Removal", filed May 14, 2002, Inventor: James Austin Kendrick (98B014/6) |
| BAD | USSN: 09/992,770 entitled "Continuous Slurry Polymerization Volatile Removal", filed November 6, 2001, Inventors: James Austin Kendrick et al. (98B014B) |
| AMO | USSN: 09/992 590 entitled "Continuous Slurry Polymerization Volatile Removal", filed November 6, 2001, Inventors: James Austin Kendrick et al. (98B014C) |
| - BURD | USSN: 10/079,226 entitled "Continuous Slurry Polymerization Process and Apparatus", filed February 19, 2002, Inventors: James Austin Kendrick et al. (98B014D) |
| | |

EXAMINER

D 2 6 2002 CO NO. 1449

SHEET 1 OF 1

| 1 1 1 1 1 1 1 1 | * | | Ser Sign | АТТ | Y. DOCKET NO. | SERIAL NO | ·. |
|---|----------------|--------------------------------|-----------------|------------------------|---|---|-----------------------|
| | i Si swa | • | • | | 98B014E | 10/0 | 085,809 |
| S | UPPE) #DISC | EMENTAL INFOI CLOSURE STATE | RMATION MENT | | PLICANT | -1 | , |
| | | | 7 | ' ' | James Aug | tin Kendric | k at al |
| \$5. A | (Úse | several sheets if ne | cessary) | | ING DATE | GROUP | K, et al. |
| $ \lambda $ | ANGEN | | | 2 | oruary 28, 2002 | | 3 629 1764 |
| | | | U.S. P | ATENT DOCUMEN | F | | 1769 |
| *EVAMINED | - A. | | 200 | And the same of the | Salar | 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Ţ.: |
| EXAMINER: INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
| P _V C | AA | 1,693,786 | 12/4/28 | Isaachsen | | | |
| 6,40 | AB | 2,988,527 | 06/13/61 | Tegge | 260 | 28.5 | |
| Out, | AC | 3,203,766 | 8/31/65 | Mudd et a | l. 23 | 252 | |
| Bress | AD | 3,640,980 | 02/08/72 | Baba | 260 | 82.1 | |
| | AE | | | | | | |
| S. A. A. | N. W. | F 4. MIN COM | EOREIGN | PATENT DOCUM | ENTS " | · Windows | |
| 860 m 180 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | *** | DOCUMENT | E M | | 3 1 | 3 5 | |
| St. 18 4 | E syn - | NUMBER* | PÜBL. DATE | COUNTRY | CEASS. | SUBCLASS | TRANSLATION |
| CAIA | AF | • EP 0 519 266 | 12/23/92 | Europe | B01J | 19/24 | YES NO |
| Orsi | AG | q DE 1800935 | 05/69 | Germany | | | |
| SHO | AH | f WO 97/36942 | 10/09/97 | PCT | C08F | 8/00 | |
| ANO | AI | W O 99/47251 | 09/23/99 | PCT | B01J | 8/00 | |
| area | AJ | WO 99/60028 | 11/25/99 | PCT | C08F | | |
| AND | AK | WO 00/02929 | 01/20/00 | PCT | C08F | 10/00 | |
| | * 7 | THER DISCLOSURE | S (Including A | ûthor, Title, Date, Pe | rtinent Pages of Publi | cation; Etc.) | |
| | ÄL | 1124 | | | | A. 7 7. | |
| EXAMINER | | 111 | · | DATE | CONSIDERED | | |
| LA | + B | Donalis | _ | | 3/16/05 | | |
| | | Cosmer | | | 3/16/05 | | |

| OIPE | 876. | | . • | | | | | | |
|--|----------------------------|--|--------------------------|------------------------------|----------------|-----------------|---|-----------------|----------------|
| NOV 0 6 2000 | ال 1449 RM |) | | | | | SHEET | _1_ OF | |
| PALEM | (4 | | | | ATTY, DOO | | SERIAL NO. | | |
| A CONTRACTOR OF THE PARTY OF TH | disabered (a) | an a | ್ರೀತ್ ಕ ಪತ್ರಿಕೆಯ ಹತ್ತ | * | 1-2-5-6-5-1 | 3014E | 10/0 | 85,809 | |
| | DISC | MENTALINFO LOSURE STATI | | | APPLICA | | | | |
| | A 40 | 海水學療命 一五章 | | | | | in Kendrick | c, et al. | |
| | (Usêrs | severāl shēets if ne | ćessary) | * 6 | FILING | | GROUP. | | - M. W. |
| | <u>~</u> | e e e e e e e e e e e e e e e e e e e | | , , , | Februar | y 28, 2002 | | 3629-17 | 464 |
| The Market Comment | U.S. PATENT DOCUMENTS | | | | | | | | |
| EXAMINER INITIAL | (1) 基分 (1) 基分 (1) 基本 | DOGUMENT NUMBER | DATE | NA NA | ME TARRET | CLÁSS | SUBCLASS | FILING I | DATE PRIATE |
| 6 ∞0 | AA | 2001/0012497 | 08/09/01 | Det | oras | 422 | 131 | | |
| | AB | | | | | | (| | 品 |
| | AC | | | | | | | 17 10 17 | 沼 |
| | AD | | | | | | | 2 200 MAIL | RECEIVED |
| | AE | | | | | | | 102 100t | رت_ |
| **** | *** | | FÖREIĞN | PATENT, DO | ĆUMENTS. | *** | | ***** | |
| | | DOCUMENT. NUMBER | PUBL DATE | ACOUN | 190 F 18 18 18 | · CLASS • | SUBCLASS | TRANSLA | THON . |
| ana | AF | EP0479186 | 04/08/92 | Euro | pe | C08F | 10/02 | / | |
| | AG | | | | | | | | |
| | AH | | | | | | | | |
| , | AI | | | | | | | | |
| | AJ | | | | | | | | |
| | AK | | | | | | | | |
| Section Sectio | | THER DISCLOSURE | S (Including-A | uthor; Title; Da | ıtê, Pertinent | Pages of Public | ation, Etc.) | | |
| | AL | | | and the second of the second | ass a min a | <u> </u> | <u>u </u> | | |
| EXAMINER | low | Dacel | سا | | DATE CONS | DERED 10.5 | REC | EIVE 0 8 200 | 1 |

GROUP 3600

IMPOLAWPeneration/EMCC Procession/19930141199301445911014B41X-2001X11V01-Repulsemental (DX De

98 B014E

Sheet _ 1 _ of _ 7

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

ATTY. DOCKET NO. P23712

APPLICATION NO. 10/085,809

APPLICANT

James Austin Kendrick et al.

FILING DATE

GROUP

February 28, 2002

1766

U.S. PATENT DOCUMENTS

| EXAMINER | DOCUMENT | | | | | FILING DATE IF |
|----------|----------------------|----------|-------------------|-------|----------|-------------------|
| INITIAL | NUMBER | DATE | NAME | CLASS | SUBCLASS | APPROPRIATE |
| | 2,825,721 | 3/4/58 | Hogan et al. | 260 | 88.1 | 3/26/56 |
| | 2,915,513 | 12/1/59 | Leatherman et al. | 260 | 94.9 | 5/21/54 |
| • | 3,152,872 | 10/13/64 | Scoggin et al. | 34 | 15 | 3/6/61 |
| | 3,172,737 | 3/9/65 | Whittington | 23 | 285 | 7/6/61 |
| | 3,242,150 | 3/22/66 | Scoggin | 260 | -88.2 | 3/31/60 |
| | 3,248,179 | 4/26/66 | Norwood | 23 | 285 | 2/26/62 |
| | 3,257,363 | 6/21/66 | Miller et al. | 260 | 88.2 | 5/22/61 |
| | 3,262,922 | 7/26/66 | Payne | 260 | 93.7 | 2/8/63 |
| | 3,293,000 | 12/20/66 | Marwil | 23 | 285 | 10/5/62 |
| | 3,318,857 | 5/9/67 | Dietz | 260 | 93.7 | 5/24/63 |
| | 3,324,093 | 8/8/87 | Alleman | 260 | 88.2 | 10/21/83 |
| | 3,418,305 | 12/24/68 | Payne et al. | 260 | 94.9 | 11/25/64 |
| | 3,551,403 | 12/29/70 | Delbouille et al. | 260 | 94.9 | 8/1/68 |
| | 3,625,658 | 12/7/71 | Closon | 23 | 285 | 5/12/69 |
| | 3,794,627 | 2/26/74 | Giachetto | 260 | 88.2 | 7/27/71 |
| | 3,816,383 | 6/11/74 | Stotko | 260 | 94.9 | 5/1/72 |
| | 3,858,943 | 1/7/75 | Bose et al. | 302 | 26 | 3/13/73 |
| | 3,956,061 | 5/11/76 | Young et al. | 159 | 48 L | 2/19/74 |
| | 3,966,257 | 5/11/76 | Hogan | -526 | -64 | 8/14/75 |

EXAMINER

Hero Dowshu

DATE CONSIDERED 3/16/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

ચ.

98 B014E

Sheet 2 of 7

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. P23712

APPLICATION NO. 10/085,809

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT James Austin Kendrick et al.

FILING DATE February 28, 2002 **GROUP**

1764

| | 4,007,321 | 2/8/77 | Scholz et al. | 526 | - 64 | 2/20/75 |
|----|-----------|----------|---------------------|-----|------|----------|
| | 4,099,335 | 7/11/78 | Jezl et al. | 34 | 9 | 11/19/76 |
| | 4,121,029 | 10/17/78 | Irvin et al. | 526 | 64 | 12/6/76 |
| | 4,199,546 | 4/22/80 | Kirch | 422 | 132 | 3/16/78 |
| _ | 4,372,758 | 2/8/83 | Bobst et al. | 55 | 48 | 9/2/80 |
| | 4,383,972 | 5/17/83 | McCurdy et al. | 422 | 131 | 7/15/81 |
| | 4,395,523 | 7/26/83 | Kirch | 526 | 64 | 5/27/82 |
| | 4,424,341 | 1/3/84 | Hanson et al. | 528 | 501 | 9/21/81 |
| | 4,436,902 | 3/13/84 | Wood et al. | 528 | 501 | 2/12/82 |
| | 4,439,601 | 3/27/84 | McCurdy et al. | 528 | 481 | 7/15/81 |
| | 4,461,889 | 7/24/84 | Hanson | 528 | 498 | 9/17/80 |
| | 4,501,885 | 2/26/85 | Sherk et al. | 528 | 501 | 10/14/81 |
| | 4,589,957 | 5/20/86 | Sherk et al. | 203 | 75 | 8/25/83 |
| | 4,613,484 | 9/23/86 | Ayres et al. | 422 | 132 | 11/30/84 |
| _ | 4,632,976 | 12/30/86 | Asanuma et al. | 528 | 497 | 4/16/85 |
| | 4,690,804 | 9/1/87 | Rohlfing | 422 | 219 | 9/18/85 |
| | 4,713,444 | 12/15/87 | Matsuyama et al. | 528 | 502 | 5/30/86 |
| | 4,737,280 | 4/12/88 | Hanson | 210 | 181 | 5/7/84 |
| | 4,794,151 | 12/27/88 | Mueller-Mall et al. | 526 | 64 | 4/8/87 |
| _ | 4,832,915 | 5/23/89 | Messura et al. | 422 | 62 | 12/17/84 |
| | 5,183,866 | 2/2/93 | Hottovy | 526 | 88 | 12/30/89 |
| د. | 5,207,929 | 5/4/93 | Sung et al. | 210 | 774 | 8/2/91 |

EXAMINER

DATE CONSIDERED 3/16/05

98 B014E

Sheet _ 3 _ of _ 7

FORM PTO-1449

÷,

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. P23712

APPLICATION NO. 10/085,809

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT James Austin Kendrick et al.

FILING DATE February 28, 2002 **GROUP**

1764

| | 5,276,115 | 1/4/94 | Bohmer et al. | 526 | 126 | 12/14/92 |
|-------------|------------|----------|-------------------|-----|------|----------|
| - | -5,292,863 | 3/8/94 | Wang | 528 | 483 | 11/2/92 |
| | 5,314,579 | 5/24/94 | Sung | 159 | 47.1 | 12/22/92 |
| | 5,326,835 | 7/5/94 | Ahvenainen et al. | 526 | 64 | 8/20/92 |
| | 5,387,659 | 2/7/95 | Hottovy et al. | 526 | 59 | 2/8/93 |
| | 5,391,656 | 2/21/95/ | Campbell et al. | 526 | 68 | 9/24/93 |
| | 5,416,179 | 5/16/95 | Welch et al. | 526 | 160 | 3/16/94 |
| | 5,436,212 | 7/25/95 | Geerts | 502 | 113 | 4/15/94 |
| | 5,455,314 | 10/3/95 | Burns et al. | 526 | 61 | 7/27/94 |
| | 5,473,020 | 12/5/95 | Peifer et al. | 525 | 243 | 6/30/94 |
| | 5,480,948 | 1/2/96 | Geerts | 526 | 142 | 3/28/95 |
| | 5,492,985 | 2/20/96 | Peifer et al. | 526 | 127 | 5/31/95 |
| | 5,565,174 | 10/15/96 | Burns et al. | 422 | 131 | 6/6/95 |
| | 5,565,175 | 10/15/96 | Hottovy et al. | 422 | 132 | 10/1/90 |
| | 5,575,979 | 11/19/96 | Hanson | 422 | 132 | 3/4/91 |
| | 5,597,892 | 1/28/97 | Hanson | 528 | 501 | 6/6/95 |
| | 5,639,834 | 6/17/97 | Debras et al. | 526 | 64 | 10/26/94 |
| | 5,712,365 | 1/27/98 | Arai et al. | 528 | 498 | 3/20/96 |
| | 5,747,407 | 5/5/98 | Martin | 502 | 26 | |
| 7.5 | 5.986.021 | 11/16/99 | Hokkanen et al. | | | 8/29/96 |
| 115: | 6,042,790 | 3/28/00 | | 526 | 64 | 2/10/98 |
| 7-7-1- | 6,045,661 | 4/4/00 | Hottovy et al. | 422 | 131 | 10/24/94 |
| <i>#</i> | 0,040,001 | 4/4/00 | Kreischer et al. | 203 | 73 | 5/20/98 |

DATE CONSIDERED 3/16/05

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. P23712

APPLICATION NO. 10/085,809

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT James Austin Kendrick et al.

FILING DATE

February 28, 2002

GROUP 1764

| - | | | | | | |
|------|--------------|----------|-----------------|-----|---------------------------------------|----------|
| | 6,239,235 | 5/29/01 | Hottovy et al. | 526 | 64 | 7/15/97 |
| | 1,693,786 | 12/04/28 | Isaachsen | | | |
| | | | | | | |
| | 2,988,527 | 06/13/61 | Tegge | 260 | | |
| | 3,203,766 | 08/31/65 | Mudd et al. | 23 | | |
| | 3,640,980 | 02/08/72 | Baba | 280 | | |
| | 2001/0012497 | 08/09/01 | Debras | 422 | | |
| BACO | 4,596,862 | 04/24/86 | McDaniel et al. | 524 | 106 | |
| | 6,204,344 | 03/20/01 | Kendrick et al. | 526 | 64 | 05/18/99 |
| | 6,281,300 | 08/28/01 | Kendrick | 526 | 88 | 05/18/98 |
| | 6,319,997 | 11/20/01 | Kendrick et al. | 526 | 64 | 10/05/00 |
| | | | | | | 100000 |
| | 6,380,325 | 04/30/02 | Kendrick | 526 | 64 | 09/05/00 |
| | | | | | | + |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | · · · · · · · · · · · · · · · · · · · | + |
| · | | | | | | |
| | | | | | | |
| | | | | | | |
| • | | | | | | |

EXAMINER

| <u>,P23712.P01</u> | | 98 B014E | Sheet <u>5</u> of 7 |
|--------------------|---|----------------------------|-------------------------------|
| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. P23712 | APPLICATION NO. 10/085,809 |
| Ψ. | INFORMATION DISCLOSURE | APPLICANT | |

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

| P23712 | 10/085,809 |
|-----------------------------------|------------|
| APPLICANT lames Austin Kendrick e | et al. |
| ILING DATE ebruary 28, 2002 | GROUP 1764 |

FOREIGN PATENT DOCUMENTS

| EXAMINER | DOCUMENT | | | | | TRANSLA | TION |
|----------|-------------------------|----------|----------------|-------|----------|--|--|
| INITIAL | NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | YES | NO |
| | CA 857386 | 12/1/70 | Canada | | | | |
| | EP 415427 | 3/6/91 | EPO | | | | |
| | EP 416379 | 3/13/91 | EPO | | | | |
| | EP-432655 | 6/19/91 | EPO | | | | |
| | EP 648697 | 4/19/95 | EPO | | | | |
| | EP 891990 | 1/20/99 | EPO | | | | |
| | JP 72013367 | 1972 | Japan | | | X | |
| | | | | | | (English- language translation of abstract) | - |
| | JP 62-13408 | 8/14/89 | Japan | | | Х | |
| | JP 07-286004 | 10/31/95 | Japan | | | Х | |
| | GB-841263 | 7/13/60 | United Kingdom | | | | |
| | GB 1 435 965 | 5/19/76 | United Kingdom | · | | | |
| | WO 01/05842 A1 | 1/25/01 | PCT | | | | |
| | WO 99/47251 | 09/23/99 | PCT | | | | |
| | WO 99/60028 | 11/25/99 | PCT | | | · | |
| | DE 1800935 | 05/69 | Germany | | | | |
| | WO 97/36942 | 10/09/97 | PCT | | _ | | |
| | WO 00/02929 | 01/20/00 | PCT | | | | |

EXAMINER () and

DATE CONSIDERED 3/16/65

| . <u>P23712.P01</u> | | 98 B014E | Sheet 6 of 7 |
|---------------------|---|----------------------------------|-------------------------------|
| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. P23712 | APPLICATION NO. 10/085,809 |
| | IFORMATION DISCLOSURE TATEMENT BY APPLICANT | APPLICANT James Austin Kendrick | et al. |
| | | FILING DATE February 28, 2002 | GROUP 1764 |

| | EP 0 519 266 | 12/23/92 | Europe | | | |
|-------|--------------|----------|---------|---|--|--|
| | EP 0 479 186 | 04/08/92 | Europe | | | |
| AAD | •FI 96216 | 2/15/96 | Finland | | | |
| CLANA | WO96/18662 | 6/20/96 | PCT | _ | | |

EXAMINER

Les Doesles

DATE CONSIDERED

3/16/05

| P23712.P01 | | 98 B014E | Sheet _7_ of 7 |
|---------------|---|--------------------------------------|-------------------------------|
| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. P23712 | APPLICATION NO. 10/085,809 |
| | FORMATION DISCLOSURE | APPLICANT James Austin Kendrick e | t al. |
| , . | | FILING DATE February 28, 2002 | GROUP 1764 |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL | | | | | |
|---------------------|---|--|--|--|--|
| | Michael Arne, SRI International, HIGH DENSITY POLYETHYLENE, Supplement D, A private report by the PROCESS ECONOMICS PROGRAM, May 1989. | | | | |
| | K.B. Bryan et al., "Polypropylene: Supplement A." SRI International Report, Process Economics Program, Report No. 128A, August (1993). | | | | |
| | J.P. Hogan et al., "Phillips Petroleum Company Loop Reactor Polyethylene Technology," <u>Journal of Applied Polymer Science: Applied Polymer Symposium</u> , 36, 49-60 (1981). | | | | |
| | R.H. Perry & C.H. Chilton (Eds.), Chemical Engineers' Handbook (5th ed.), McGraw-Hill, Inc., New York, New York, pp. 5-46 – 5-47 (1973). | | | | |
| | "Total Quality Report", Baton Rouge, Louisiana, Vol. 13, No. 1, Jan/Feb. p. 4 (1998). | | | | |
| | USSN: 09/080,412 entitled "Continuous Sturry Polymerization Volatile Removal", filed May 18, 1998, Inventor: James Austin Kendrick (98B014/2) | | | | |
| | USSN: 09/955,729 entitled "Continuous Slurry Polymerization Volatile Removal", filed September 19, 2001, Inventors: James Austin Kendrick et al. (98B014A/3) | | | | |
| | USSN: 10/023,677 entitled "Continuous Slurry Polymerization Volatile Removal", filed February 14, 2002, Inventor: James Austin Kendrick (98B014/5) | | | | |
| | USSN: 10/147,219 entitled "Continuous Slurry Polymerization Volatile Removal", filed May 14, 2002, Inventor: James Austin Kendrick (98B014/6) | | | | |
| | USSN: 09/992,770 entitled "Continuous Slurry Polymerization Volatile Removal", filed November 6, 2001, Inventors: James Austin Kendrick et al. (98B014B) | | | | |
| | USSN: 09/992,590 entitled "Continuous Slurry Polymerization Volatile Removal", filed November 6, 2001, Inventors: James Austin Kendrick et al. (98B014C) | | | | |
| - CAM- | USSN: 10/375,660 entitled "Continuous Slurry Polymerization Process and Apparatus", filed February 27, 2003, Inventors: James Austin Kendrick et al. (98B014A/4) | | | | |
| | USSN: 10/079,226 entitled "Continuous Slurry Polymerization Process and Apparatus", filed February 19, 2002, Inventors: James Austin Kendrick et al. (98B014D) USSN: 10/260,010 entitled "Continuous Slurry Polymerization Process and Apparatus", filed | | | | |
| DAD | March 11, 2003, Inventors: James Austin Kendrick et al. (98B014A/5) USSN: 10/260,011 entitled "Continuous Slurry Polymerization Process and Apparatus", filed | | | | |
| DUAN- | March 11, 2003, Inventors: James Austin Kendrick et al. (98B014B/2) | | | | |

EXAMINER

the Doreshere

DATE CONSIDERED

3/16/65

| , | | ATTY. DOCKET NO. | APPLICATION NO. | | | |
|---------------------|--|--------------------------------------|-------------------|--|--|--|
| FORM PTO-1449 | | P23712 | 10/085,809 | | | |
| SUPPLE | MENTAL INFORMATION | APPLICANT | | | | |
| r | CLOSURE STATEMENT | James Austin Kendri | ck, et al. | | | |
| (Use : | several sheets if necessary) | FILING DATE | GROUP | | | |
| | | February 28, 2002 | 17.64 | | | |
| | OTHER DISCLOSURES (Including Author, Title, D | Date, Pertinent Pages of Public | cation, Etc.) | | | |
| EXAMINER INITIAL | | | | | | |
| | Declaration of Scott T. Roger of Disclosure Statement (proprieta | As Part Of Supplem ary material). | ental Information | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | · | | | |
| | | | | | | |
| | | | · | | | |
| | | | · | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

EXAMINER Also Derester

DATE CONSIDERED 3/16/67

ΑE AF AG AH ΑI AJ ΑK

AL

AM

AN

EXAMINER

| 49 | • | | | | | SHEET | <u> </u> | F <u> </u> | |
|----------|----------------------|-------------------|-----------------|---------------------------------------|----------------|------------------|-------------------|---------------------|----|
| | | | ATTY. D | OCKET NO. | SEI | RIAL NO. | | | |
| | | | | 1998 | 3B014E | 10/085809 | | | |
| I | ON DISCLOSUR | E STATEME | ENT | | | APPLICANT | | | |
| | | | | | J. Austir | n Kendrick, e | et al. | RECE | /1 |
| ? .5 | several sheets if ne | | NG DATE | C | ROUR | | V | | |
| | | | | 2/2 | 8/2002 |] | 1764 | APR 0 1 | 20 |
| _ | | U.S. PA | TENT DOC | JMENTS | | | | TC 17 |)(|
| | DOCUMENT NUMBER | DATE | NA | ME | CLASS | SUBCLASS | | NG DATE ROPRIATE | |
| | | | | | | | | | |
| _ | | | | | · . | | | | |
| | | | | | | PECEIVE | D | | |
| \ | | | | | | MAR 2 2 20 | 04 | | |
| _ | | | | | 0.5 | FICE OF PETI | | | |
| _ | | | | | , OI | TIGE OF PEII | IUNS | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | · · · · · · · · · · · · · · · · · · · | | | | | |
| | | \ | | | | | | | |
| - | | FOREIGN P | ATENT DO | CUMENTS | | | | | |
| | DOCUMENT NUMBER | PUBL. DATE | COUN | ITRY | CLASS | SUBCLASS | TRANS | SLATION | |
| | | | | | | JODELASS | YES | l NO | |
| 4 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| c | THER DISCLOSURI | ES (Including Aut | thor, Title, Da | ate, Pertinent | Pages of Publi | cation, Etc.) | | | |
| - | Chem-Systems Ir | ic., High Dens | ity Polyeth | ylene 91-6 | 5-51-61 (Apr | il 1993) ("the (| Shem S | ystems | |
| | Declaration of Sc | ott Roger for S | Submission | of Prior | Art ("the Rog | er declaration' | ") | | |
| 1 | | | | | | | | | |
| | | | | DATE CONS | IDEDED | | | | |
| e | Darele | | | | 16/05 | | | } | |
| | July W | _ | l | , | ("4/05 | | | 1 | |

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant